

How-To-Do

Import Variables from Motionworks IEC to Movicon 11.6

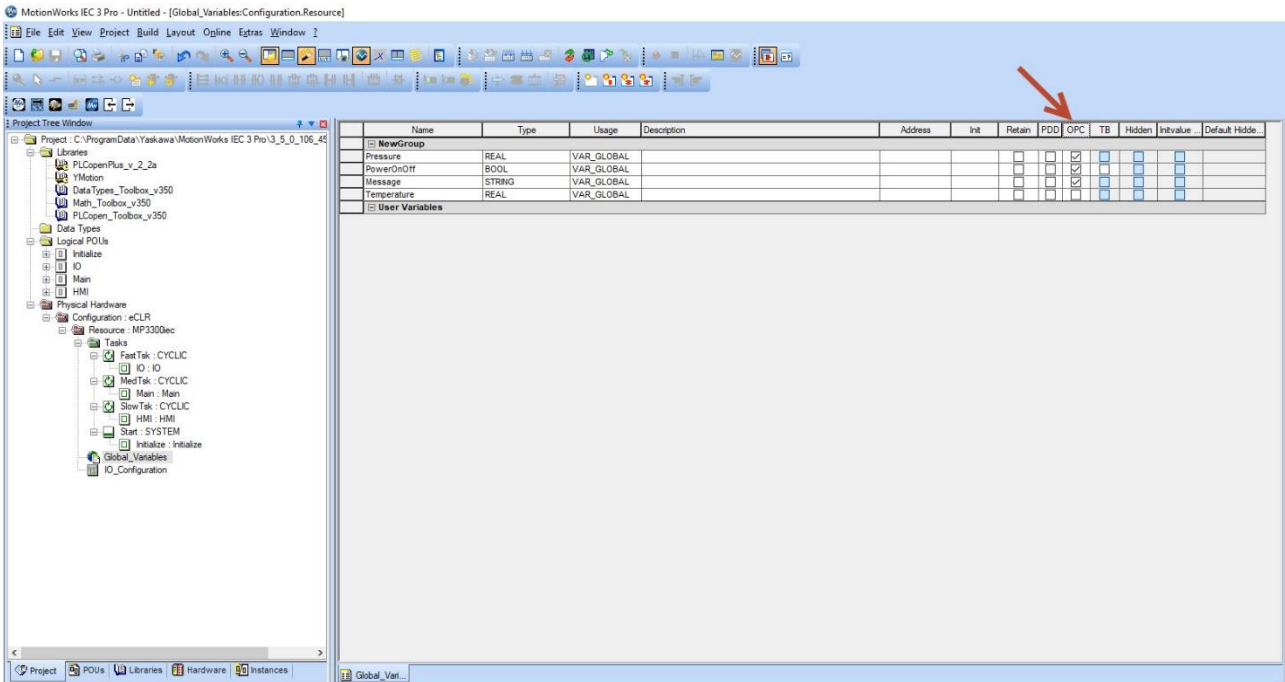
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1 Define Variables in Motion Works

1.1 Step 1

Define all the variables you want to visualize, control or monitor in the Software Motionworks IEC



1.2 Step 2

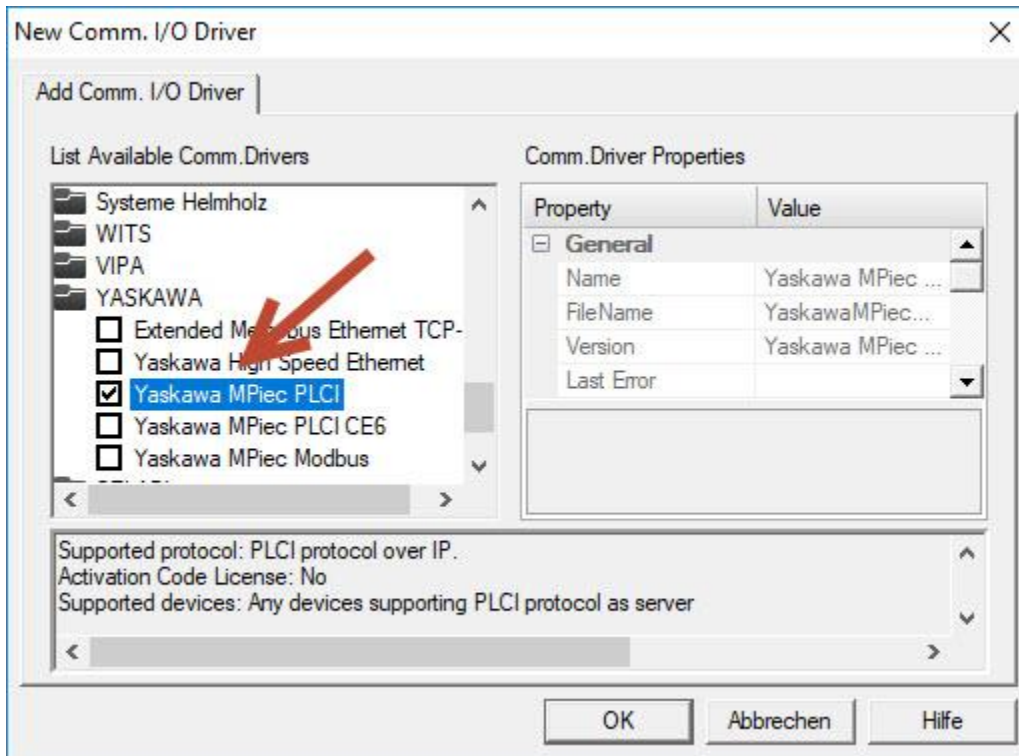
To use the “easy” Import function of the PLCi driver in Movicon mark all the variables that should be imported as “may be used by OPC”

Name	Type	Usage	Description	Address	Init	Retain	PDD	OPC	TB	Hidden	Initvalue ...	Default Hidde...
NewGroup												
Pressure	REAL	VAR_GLOBAL				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PowerOnOff	BOOL	VAR_GLOBAL				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Message	STRING	VAR_GLOBAL				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Temperature	REAL	VAR_GLOBAL				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
User Variables												

2 Add and configure MPiec PLCi driver in Movicon

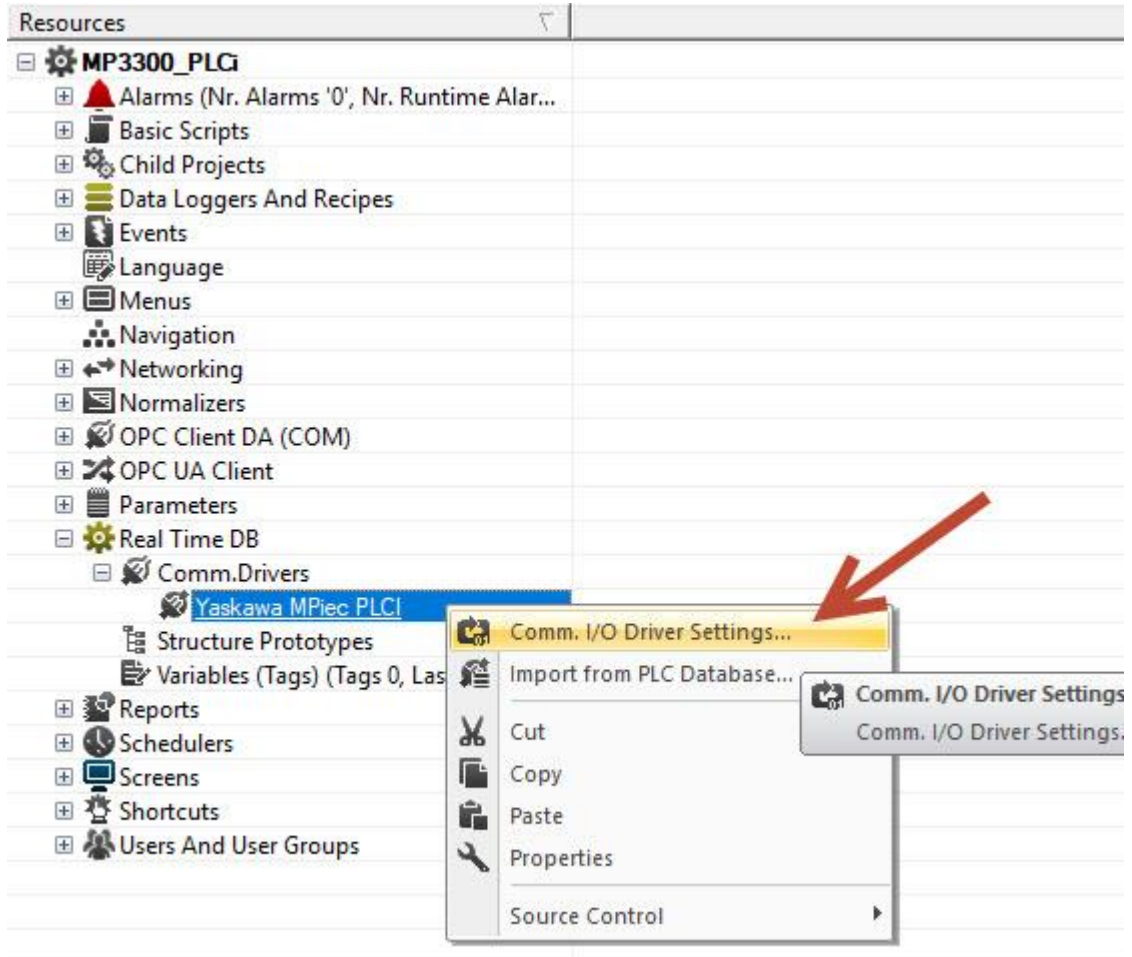
2.1 Step 1

Choose the Yaskawa MPiec PLCi driver from the Comm I/O driver list.



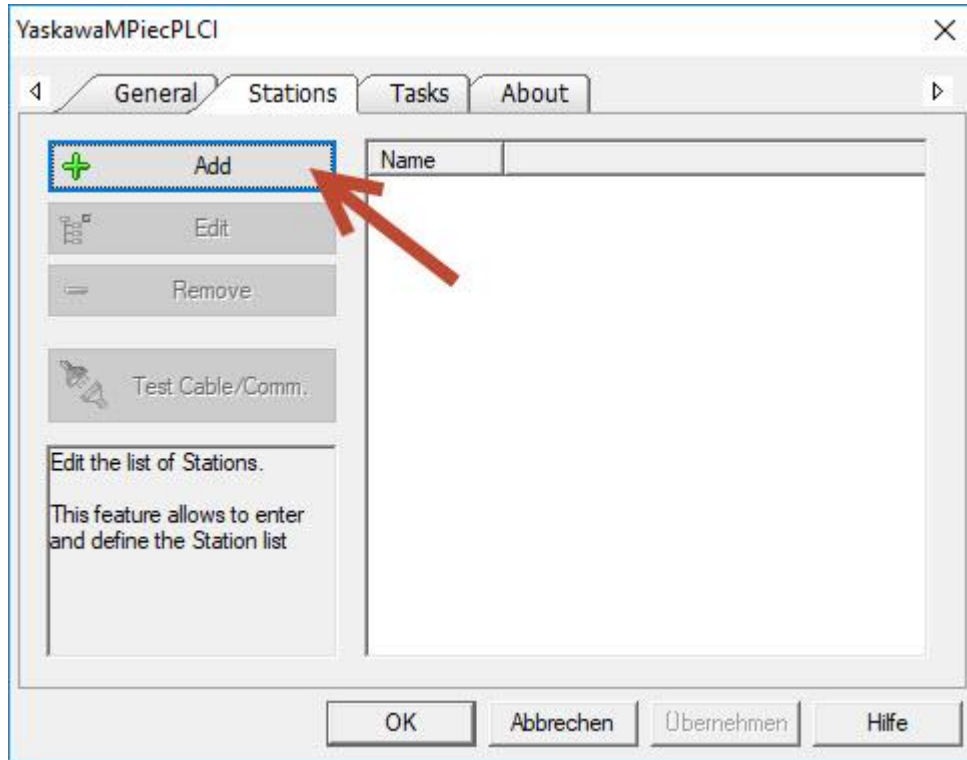
2.2 Step 2

Right click or double click on the driver to open the settings of the driver.



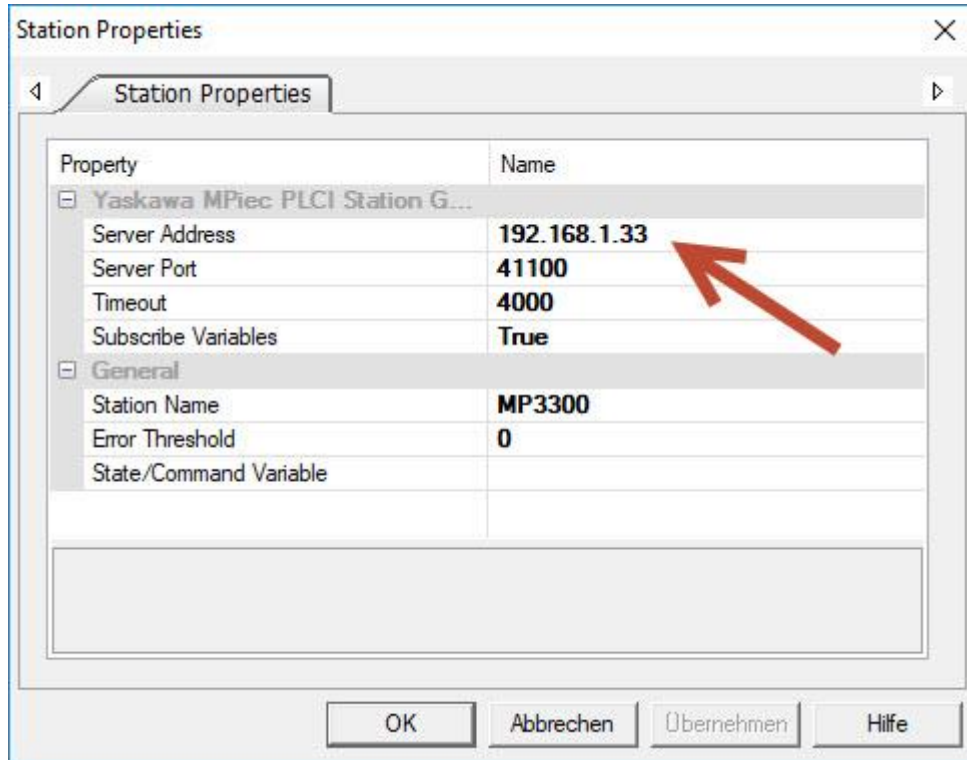
2.3 Step 3

Choose the Tab **Stations** and press “Add”



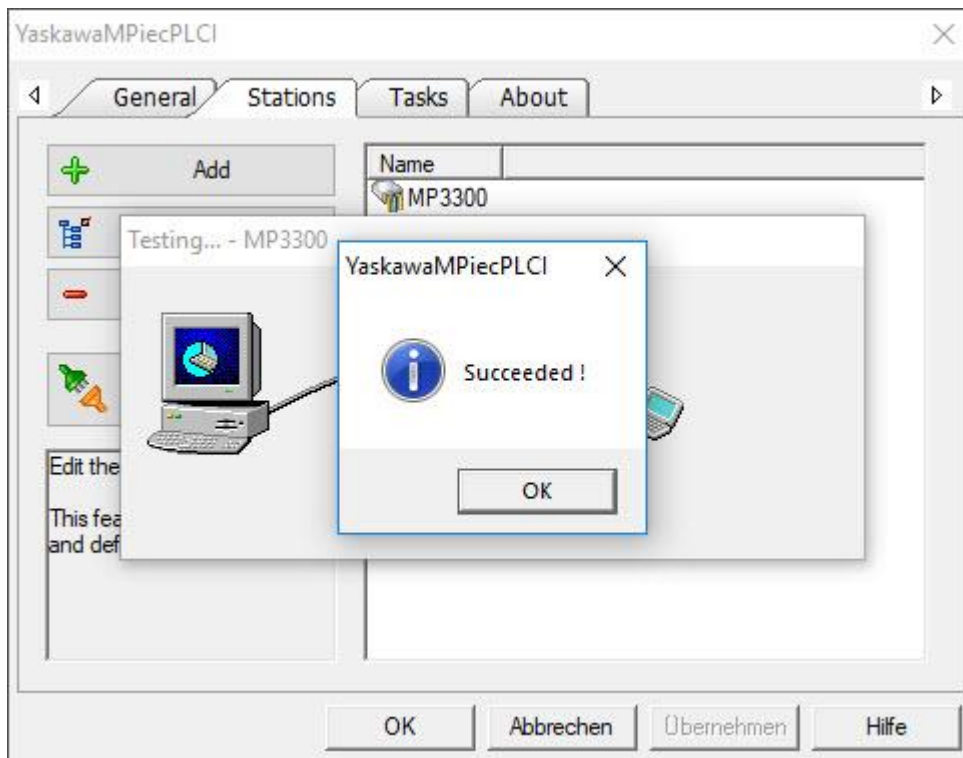
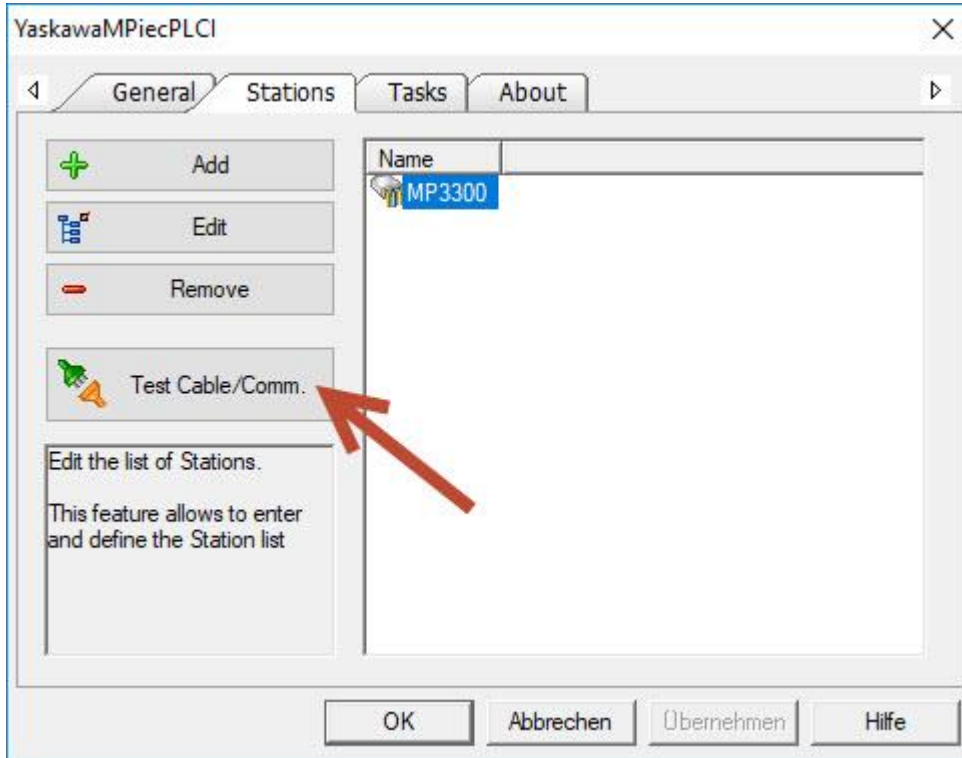
2.4 Step 4

Type the IP address of your MP Controller into the field „Server Address“, optional you can define a name for your Controller in the field “Station Name”, otherwise it is called “Default Station”:



2.5 Step 5

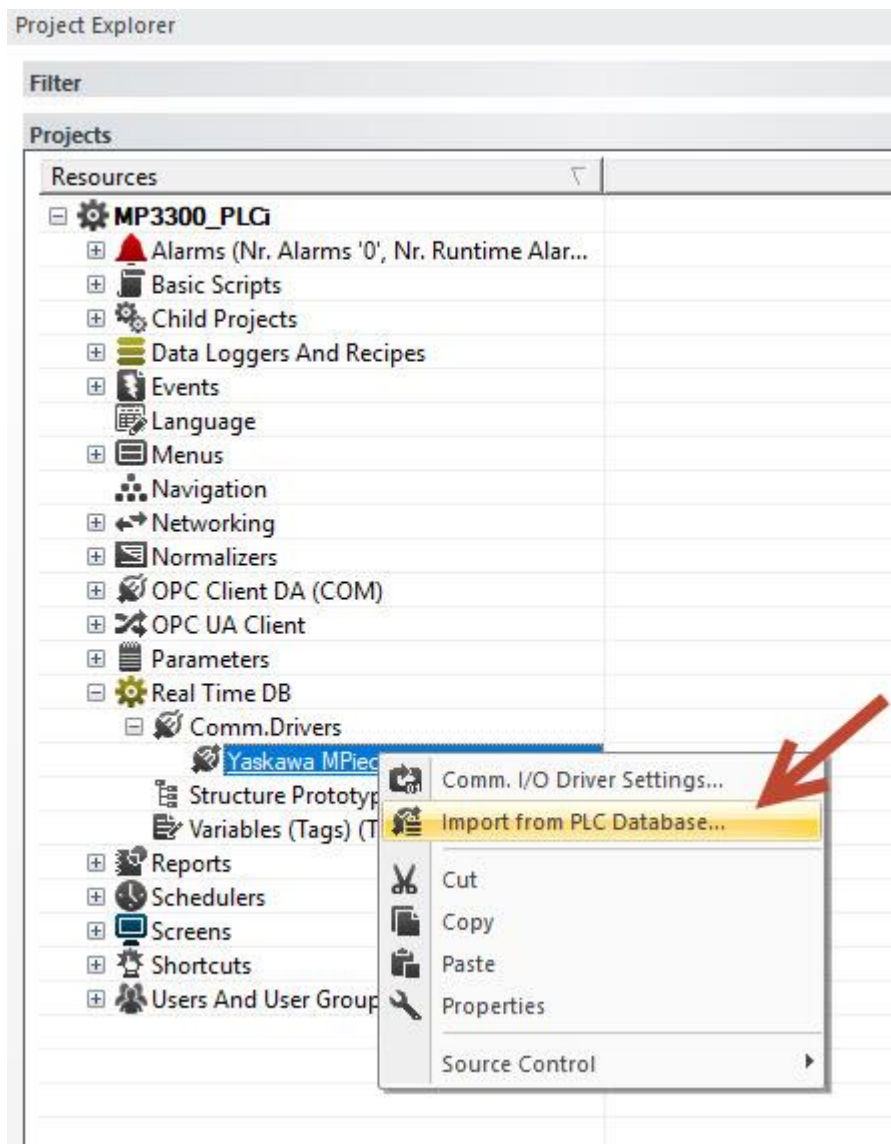
By pressing the “Test Cable/Comm” button, Movicon will check if the physically connection to the MP controller is possible or not



3 Import Variables from Motionworks

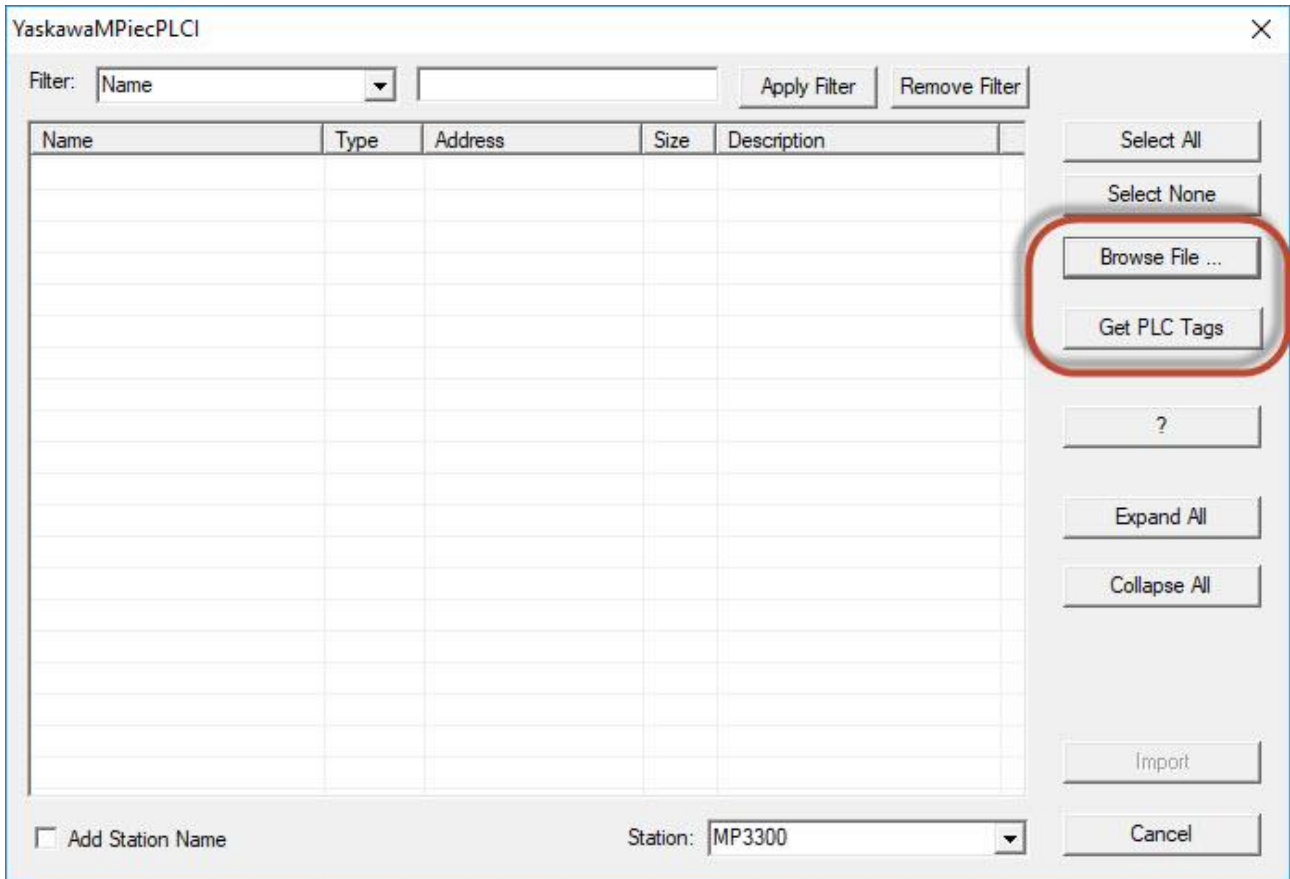
3.1 Step 1

Right click on the Yaskawa MPiec PLCi



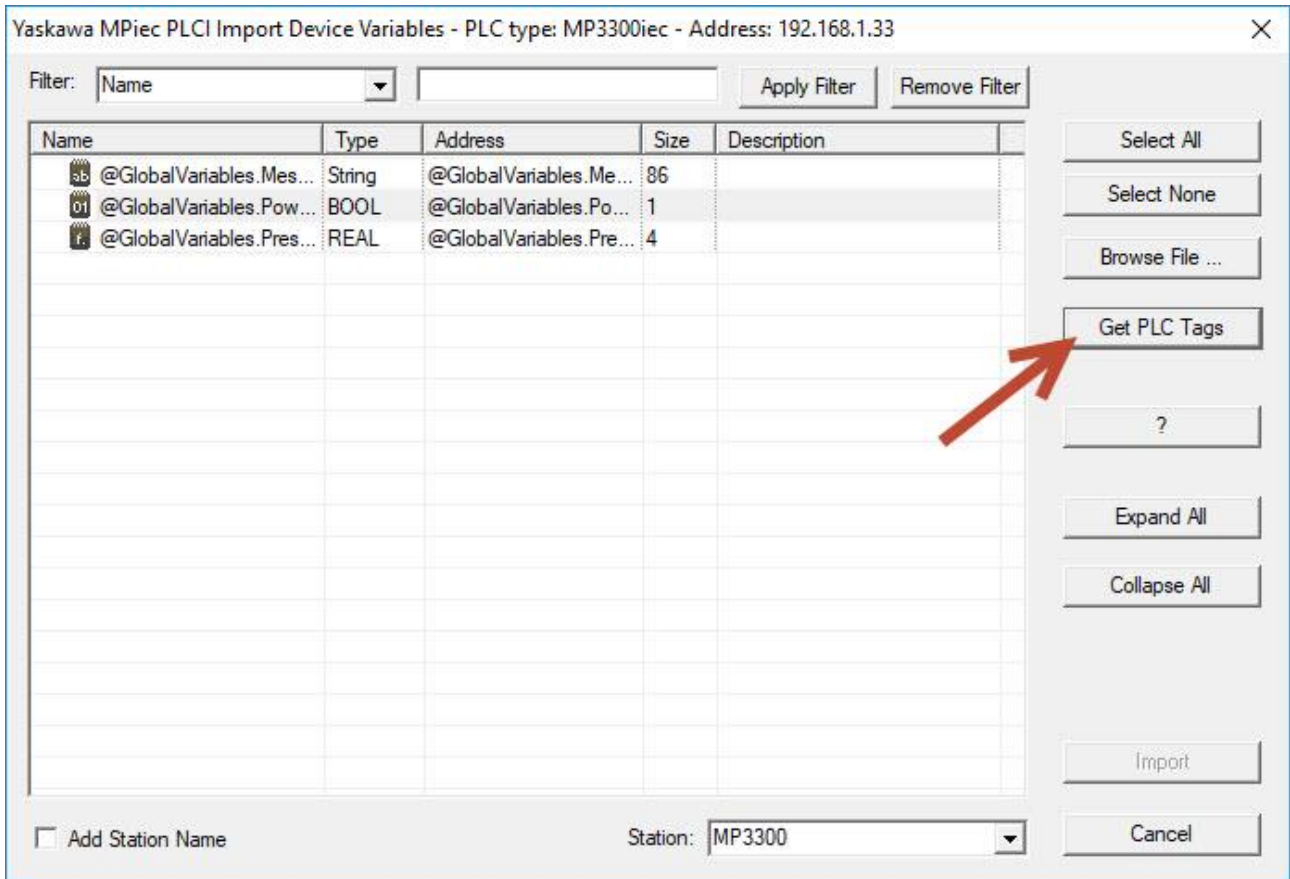
3.2 Step 2

You can choose between importing the variables directly from the connected PLC (MP controller) or if you want to import the variables out of the project file (.mwt)



3.3 Step 3

Option 1: Get the Variables directly from the connected PLC



Option 2: Get the Variables from the project file

Yaskawa MPiec PLCI Import Device Variables - Project: \MoviconExport\Configuration\Resource - 2020-03-05 - 11:26:54

Name	Type	Address	Size	Description
@GlobalVariables.Message	String	@GlobalVariables.Me...	86	
@GlobalVariables.PowerO...	BOOL	@GlobalVariables.Po...	1	
@GlobalVariables.Pressure	REAL	@GlobalVariables.Pre...	4	

Buttons: Select All, Select None, Browse File ..., Get PLC Tags, ?, Expand All, Collapse All, Import, Cancel

Suchen in: Projects

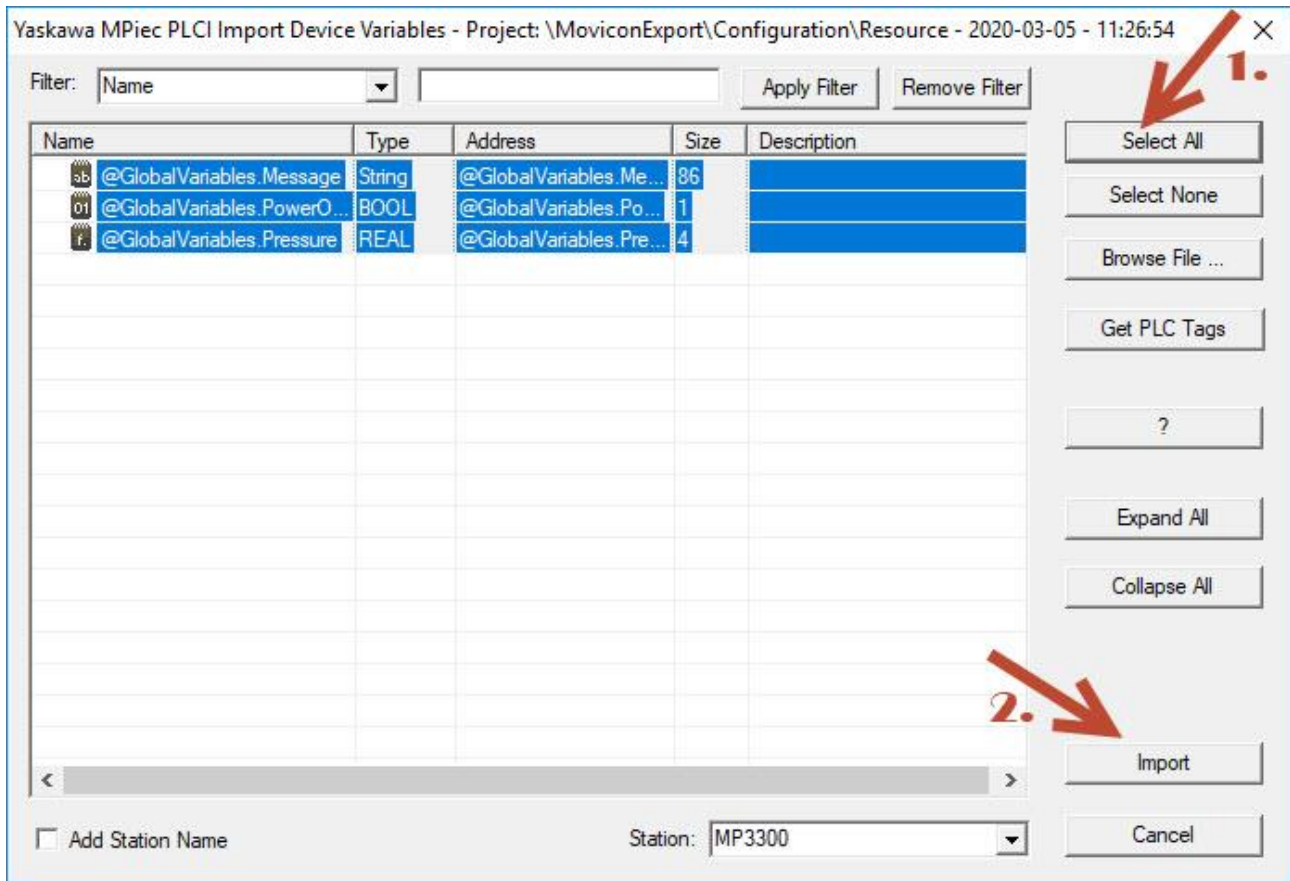
Name	Änderungsdatum	Typ
MoviconExport	05.03.2020 17:05	Dateio
MoviconTest	05.03.2020 10:52	Dateio
MP3300_AlarmMessageTest	04.03.2020 09:12	Dateio
Neuer Ordner	04.07.2019 08:47	Dateio
ServosTest	16.10.2019 15:31	Dateio
VarExportTest	05.03.2020 11:03	Dateio
Workshop	16.05.2019 10:35	Dateio
MoviconExport.mwt	05.03.2020 17:05	Motior
MoviconTest.mwt	05.03.2020 10:52	Motior
MP3300_AlarmMessageTest.mwt	04.03.2020 09:12	Motior
ServosTest.mwt	16.10.2019 15:31	Motior

Dateiname: MoviconExport.mwt
 Dateityp: PLCI Project File(*.MWT)
 Schreibgeschützt öffnen

Buttons: Öffnen, Abbrechen

3.4 Step 4

Select all or only the needed Variables and press Import



3.5 Step 5

Done

Resources	Type	Area Type	Address	Desc
[-] MP3300_PLC				
+ Alarms (Nr. Alarms '0', Nr. Runtime Alar...				
+ Basic Scripts				
+ Child Projects				
+ Data Loggers And Recipes				
+ Events				
+ Language				
+ Menus				
+ Navigation				
+ Networking				
+ Normalizers				
+ OPC Client DA (COM)				
+ OPC UA Client				
+ Parameters				
[-] Real Time DB				
[-] Comm.Drivers				
Yaskawa MPiec PLCI				
+ Structure Prototypes				
[-] Variables (Tags) (Tags 3, Last Peek I/O...				
+ GlobalVariables_Message	String (z...	Not Shared	0	
+ GlobalVariables_PowerOnOff	Bit	Not Shared	0.0	
+ GlobalVariables_Pressure	Float (32...	Not Shared	0	
+ Reports				
+ Schedulers				
[-] Screens				
+ Main				
+ Shortcuts				
+ Users And User Groups				